

Photometric test report

Family
Monsun® 21

Order number: 51FB107P487C3G
EAN: 4069025177919

LP number
58939_136



Version prismatic diffuser, opal, PMMA, extremely wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG
Setting emergency light operation: 3 h
Rated values Net luminous flux = 820 lm
 Power consumption = 7.1 W
 Luminous efficacy = 115.5 lm/W

serial
documentation
08.05.2024

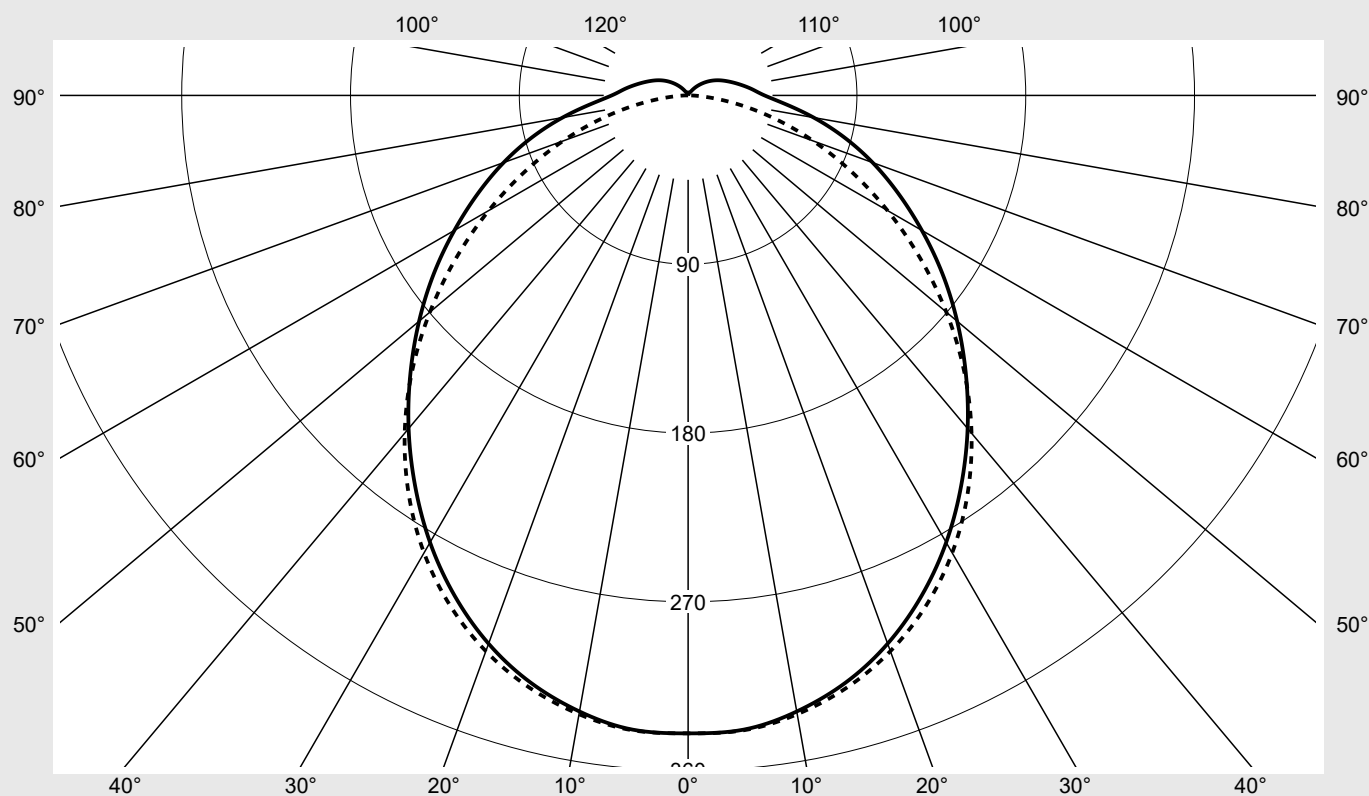
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 340 cd/klm



Classifications

DIN 5040 A 4 1
 CIE N1=47 N2=77 N3=93
 N4=94 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 94.2%
 ϕ_o 5.8%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 21	Order number: 51FB107P487C3G EAN: 4069025177919	LP number 58939_136
Table of values for luminous intensities		Maximum luminous intensity

siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	340.1	340.1	340.1	340.1	340.1	340.1	340.1	2.0	2.0
5°	339.4	338.3	336.5	337.9	339.5	339.4	339.8	16.2	18.2
10°	333.5	333.0	331.2	332.8	334.6	334.7	335.0	31.7	49.9
15°	324.2	324.2	322.5	324.2	326.1	326.4	326.9	46.1	96.0
20°	311.0	311.6	310.1	311.9	314.1	314.7	315.3	58.6	154.6
25°	294.4	295.4	294.1	296.0	298.4	299.4	300.2	68.7	223.4
30°	275.2	276.6	275.1	276.8	279.4	280.7	281.6	76.1	299.5
35°	253.9	255.2	253.8	254.9	257.1	258.4	259.7	80.5	380.0
40°	231.8	232.9	231.3	231.1	232.5	233.8	235.1	81.9	461.9
45°	209.4	209.9	207.8	205.9	206.1	206.6	208.2	80.4	542.4
50°	187.2	187.1	184.8	181.3	179.3	178.3	179.7	76.6	619.0
55°	165.5	164.8	162.1	157.0	153.1	150.2	150.9	70.7	689.7
60°	143.9	142.9	139.5	133.7	127.9	123.2	122.7	63.3	753.0
65°	123.6	122.5	117.8	111.0	104.2	97.9	96.0	54.9	808.0
70°	104.7	103.3	97.1	89.4	81.7	74.3	71.0	45.8	853.8
75°	86.1	84.4	77.8	69.2	60.2	52.2	47.8	36.3	890.0
80°	68.0	66.1	60.2	50.5	40.7	32.1	26.9	26.7	916.7
85°	51.8	50.0	44.6	35.3	24.7	15.7	10.1	18.3	935.0
90°	40.8	39.2	34.4	26.0	15.9	6.9	1.8	13.1	948.2
95°	34.8	33.5	29.7	22.7	13.6	5.1	1.6	11.2	959.3
100°	29.9	28.8	25.4	19.2	11.3	3.7	1.4	9.4	968.7
105°	25.7	24.7	21.4	16.1	8.8	2.4	1.2	7.7	976.4
110°	22.1	20.9	18.0	13.0	6.6	1.4	1.1	6.1	982.5
115°	19.0	17.8	15.0	10.4	4.7	1.2	1.1	4.9	987.4
120°	16.0	14.8	12.2	7.9	3.1	1.2	1.0	3.8	991.2
125°	13.0	11.9	9.4	5.6	1.7	1.1	0.9	2.7	993.9
130°	10.1	9.1	6.9	3.7	1.4	1.1	1.0	1.9	995.9
135°	7.3	6.5	4.6	2.1	1.4	1.1	1.1	1.3	997.1
140°	4.8	4.1	2.7	1.7	1.4	1.1	1.1	0.8	998.0
145°	2.6	2.3	1.9	1.7	1.4	1.2	1.2	0.5	998.5
150°	2.0	2.0	1.9	1.6	1.3	1.3	1.3	0.4	998.9
155°	1.9	1.9	1.7	1.6	1.4	1.4	1.4	0.4	999.3
160°	1.7	1.7	1.6	1.4	1.4	1.4	1.4	0.3	999.6
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.2	999.8
170°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	0.1	999.9
175°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.1	1000.0
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1000.0

Photometric test report

Family Monsun® 21			Order number: 51FB107P487C3G EAN: 4069025177919							LP number 58939_136	
UGR-Table			Standard room							siteco	
Reflection factor of ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reflection factor of floor		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	13.1	14.8	13.5	15.1	15.5	13.1	14.8	13.5	15.1	15.4
	3H	14.9	16.4	15.2	16.7	17.1	14.5	16.0	14.9	16.4	16.7
	4H	15.7	17.1	16.1	17.5	17.9	15.0	16.5	15.4	16.8	17.2
	6H	16.4	17.8	16.9	18.2	18.5	15.4	16.7	15.8	17.1	17.5
	8H	16.8	18.1	17.2	18.4	18.8	15.5	16.8	15.9	17.2	17.6
	12H	17.1	18.3	17.6	18.7	19.1	15.6	16.8	16.0	17.2	17.6
4H	2H	13.8	15.3	14.2	15.6	16.0	13.8	15.3	14.2	15.6	16.0
	3H	15.8	17.0	16.2	17.4	17.8	15.4	16.6	15.8	17.0	17.4
	4H	16.7	17.9	17.2	18.3	18.7	16.0	17.2	16.5	17.6	18.0
	6H	17.6	18.6	18.1	19.1	19.5	16.5	17.5	17.0	17.9	18.4
	8H	18.1	19.0	18.5	19.4	19.9	16.7	17.6	17.1	18.0	18.5
	12H	18.5	19.3	19.0	19.7	20.2	16.8	17.6	17.2	18.0	18.5
8H	4H	17.0	18.0	17.5	18.4	18.9	16.4	17.4	16.9	17.8	18.3
	6H	18.1	18.9	18.6	19.4	19.9	17.1	17.8	17.5	18.3	18.8
	8H	18.7	19.4	19.2	19.8	20.3	17.3	18.0	17.8	18.4	19.0
	12H	19.2	19.8	19.7	20.3	20.8	17.4	18.0	17.9	18.5	19.0
12H	4H	17.1	17.9	17.6	18.4	18.9	16.5	17.3	17.0	17.8	18.3
	6H	18.2	18.9	18.7	19.4	19.9	17.2	17.9	17.7	18.4	18.9
	8H	18.8	19.4	19.3	19.9	20.4	17.5	18.1	18.0	18.6	19.1

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1590 B = 87	H(C0) = 21 H(C90) = 21	H(C180) = 21 H(C270) = 21
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45° 50° 55° 60°	γ	1413.9	1422.7	1433.1	1463.1	1526.2	1610.7	1722.5
		1341.0	1346.0	1356.0	1376.7	1428.8	1509.1	1631.5
		1271.6	1273.1	1280.9	1291.0	1331.2	1401.4	1530.4
		1203.0	1202.0	1204.1	1207.9	1234.4	1292.4	1422.5
65° 70° 75° 80°	γ	1142.7	1139.9	1130.3	1123.1	1138.9	1182.5	1309.5
		1090.9	1084.7	1056.6	1036.6	1038.5	1066.8	1188.1
		1036.9	1027.1	987.7	947.7	924.2	933.7	1043.8
		979.7	963.4	924.0	852.7	793.3	766.9	853.6
85°	γ	938.0	918.1	875.2	785.9	668.0	572.4	596.1

Photometric test report

Family
Monsun® 21

Order number: 51FB107P487C3G
EAN: 4069025177919

LP number
58939_136

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

